
WORK EXPERIENCE

Morgan Stanley – Institutional Equity Division

New York, NY

Analyst

June 2018-August 2018 (internship), July 2019-Present

- Design, price, and trade exotic equity derivative structures. Selected as primary pricing coverage for largest and highest-revenue sales group after 4 months on team. Following quarter produced best revenue on record with \$XX MM Y/Y increase.
- Manage Stanford campus recruiting shortlist, including candidate sourcing and selection, networking opportunities, and on-campus activities. Only non-Managing Director appointed to such a role on Stanford team.

Voxa Co

Seattle, WA

Software Engineering Intern

June 2016-September 2016, June 2017-August 2017

- Wrote image-stitching based calibration algorithm for electron microscope stage. Adapted and improved algorithm to detect and correct stitching errors without human input, resulting in 50-100x increase in scan area visible without human intervention, with corresponding 95+% decrease in human workload.
- Designed pipeline for novel reconstruction processes on SEM. Created lowest-cost 3D SEM images ever made.
- Work incorporated into firm's flagship product and sent to International Space Station aboard Cygnus NG-13 as well as research centers worldwide. Improved scanning correction and 3D imaging algorithms may be included in next round of IP filings.

EDUCATION

Stanford University

Stanford, CA

Bachelor of Science: Computer Science

Class of 2019

Relevant Coursework: Computer Organization and Systems, Mathematical Foundations of Computing, Natural Language Understanding, Natural Language Processing with Deep Learning, Computer Vision, Economic Analysis

ACTIVITIES

Hawaii Pacific Model United Nations

Honolulu, HI

Secretary-General, Board of Directors

March 2018-November 2019, November 2019-Present

- Selected by large charitable trust to plan, organize, and execute three-day educational conference for over 300 high school students. Led international search for top staff members, managed 18 direct reports with additional volunteers and on-site partners during event, and coordinated opening speech by UN Policy Advisor. Decreased per-delegate fixed costs by double-digit percentages in both 2018 and 2019 to add committee types and host additional delegates without sacrifice to conference quality.
- Led transition to form independent nonprofit entity, including legal, budgetary, tax, and governance issues. Selected and mentored successor Secretary-General team to ensure continuity of conference excellence and continuation of founding mission statement.

Society for International Affairs at Stanford

Stanford, CA

Board of Directors

April 2017-June 2019

- Personally responsible for budgeting, transportation, accommodations, registration, and preparation for Stanford's nationally and internationally competitive Model United Nations team.
- Managed six-figure organizational balance sheet and \$40,000+ annual budget. Eliminated deficit and individually streamlined conference booking process/policies to reduce average per-delegate cost by 15%.
- Pursued partnerships to attract prominent speakers, including former Secretary of State and former National Security Advisor.

SELECTED PROJECTS

Helping Hands: Teaching ASL to Mobile Users through Computer Vision

April 2019-June 2019

- Recognized lack of immediate feedback available to ASL learners without expensive tutoring through detailed need-finding
- Created React Native-based mobile app with ResNet 18 backend to teach ASL with near-instant feedback on all user-generated signs. Winner of Facebook Honorable Mention award at 2019 Stanford Spring Software Fair.

Megatron: Self-Attended Residual BiDAF-based Question Answering

February 2019-March 2019

- Designed a novel architecture for a reading comprehension/question-answering model. Achieved matching scores 12.5% higher than previously attained. Model placed in top 15 in a Stanford AI-based Question-Answering competition with over 400 students.

SKILLS & INTERESTS

- **Technical Skills:** Proficiency in Microsoft Office, Python, Java, C++, C, JavaScript, Node.js
- **Language/Other:** English (native), Spanish (limited working proficiency), Eagle Scout
- **Interests:** scuba diving, college football, travel hacking, geopolitics, tech policy